

10/575254

IAP20 Record F00010 APR 2006

1

SEQUENCE LISTING

<110> National Institute of Advanced Industrial Science and Technology

<120> The support having affinity to antibody

<130> 341-02845

<140>

<141>

<160> 10

<170> PatentIn Ver. 2.1

<210> 1

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein for  
antibody immobilization

<400> 1

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile  
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln  
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala  
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Gly Gly Gly Cys Ala  
50 55 60

Asp Asp Asp Asp Asp Asp  
65 70

<210> 2

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for antibody immobilization

<400> 2

Ala	Asp	Asn	Asn	Phe	Asn	Lys	Glu	Gln	Gln	Asn	Ala	Phe	Tyr	Glu	Ile
1															

Leu	Asn	Met	Pro	Asn	Leu	Asn	Glu	Glu	Gln	Arg	Asn	Gly	Phe	Ile	Gln
20							25								30

Ser	Leu	Lys	Asp	Asp	Pro	Ser	Gln	Ser	Ala	Asn	Leu	Ser	Glu	Ala	
35							40								45

Lys	Lys	Leu	Asn	Glu	Ser	Gln	Ala	Pro	Lys	Ala	Asp	Asn	Asn	Phe	Asn
50							55								60

Lys	Glu	Gln	Gln	Asn	Ala	Phe	Tyr	Glu	Ile	Leu	Asn	Met	Pro	Asn	Leu
65							70								80

Asn	Glu	Glu	Gln	Arg	Asn	Gly	Phe	Ile	Gln	Ser	Leu	Lys	Asp	Asp	Pro
85							90								95

Ser	Gln	Ser	Ala	Asn	Leu	Leu	Ser	Glu	Ala	Lys	Lys	Leu	Asn	Glu	Ser
100							105								110

Gln	Ala	Pro	Lys	Gly	Gly	Gly	Cys	Ala	Asp	Asp	Asp	Asp	Asp		
115							120								125

<210> 3

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for antibody immobilization

<400> 3

Ala	Asp	Asn	Asn	Phe	Asn	Lys	Glu	Gln	Gln	Asn	Ala	Phe	Tyr	Glu	Ile
1															

Leu	Asn	Met	Pro	Asn	Leu	Asn	Glu	Glu	Gln	Arg	Asn	Gly	Phe	Ile	Gln
20							25								30

Ser Leu Lys Asp Asp Pro Ser Gin Ser Ala Asn Leu Leu Ser Glu Ala  
 35 40 45  
 Lys Lys Leu Asn Glu Ser Gin Ala Pro Lys Ala Asp Asn Asn Phe Asn  
 50 55 60  
 Lys Glu Gin Gin Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu  
 65 70 75 80  
 Asn Glu Glu Gin Arg Asn Gly Phe Ile Gin Ser Leu Lys Asp Asp Pro  
 85 90 95  
 Ser Gin Ser Ala Asn Leu Leu Ser Gin Ala Lys Lys Leu Asn Glu Ser  
 100 105 110  
 Gin Ala Pro Lys Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp  
 115 120 126

&lt;210&gt; 4

&lt;211&gt; 128

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Protein for antibody immobilization

&lt;400&gt; 4

Ala Asp Asn Asn Phe Asn Lys Glu Gin Gin Asn Ala Phe Tyr Glu Ile  
 1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gin Arg Asn Gly Phe Ile Gin  
 20 25 30

Ser Leu Lys Asp Asp Pro Ser Gin Ser Ala Asn Leu Leu Ser Glu Ala  
 35 40 45

Lys Lys Leu Asn Glu Ser Gin Ala Pro Lys Ala Asp Asn Asn Phe Asn  
 50 55 60

Lys Glu Gin Gin Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu  
 65 70 75 80

Asn Glu Glu Gin Arg Asn Gly Phe Ile Gin Ser Leu Lys Asp Asp Pro

85                    90                    95

Ser Gin Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser  
100                    105                    110

Gln Ala Pro Lys Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp  
115                    120                    125

<210> 5

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Linker peptide

<400> 5

Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp  
1                    5                    10

<210> 6

<211> 216

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:DNA coding  
protein for antibody immobilization

<400> 6

atggctgata acaatttcaa caaaagnacaa caaaaatgttt tcttatggaaat cttggatatgg 60  
cotaacttta acgaaegaaca acgcaatgggt ttatatccaaa gcttaaaaga tgaccggc 120  
caaaatgttata aacttattgtt aaaaagtcataa aagtttaaatggt aatctccggc acggaaagggt 180  
gggggtggct ggcgttgatga cgtatgacgtat gactaa                    216

<210> 7

<211> 390

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:DNA coding

## protein for antibody immobilization

<400> 7  
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oataaattaa aogaagaaca aogoaaatggt ttcatcccaa gcttaaaaaga tgacccaaago 120  
caaaagtgtt acctattgtc agaagctaaa aagttaaatg aatctcaacg accgaaaggt 180  
gataacaatt tcaacaaaga acaacaaaat gtttotatg aatottgaa tatgcotaaac 240  
ttaaaacgaag aacaacgcaa tggtttcattc cqaqgettaa aagatgaccc aqgccaagg 300  
gtttacccat tgcagaagc taaaaaggta aatgaatc aagcacccaa aggtggcggt 360  
ggctggcggt atgacgatga cgatgactaa 390

<210> 8  
<211> 302  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:DNA coding  
protein for antibody immobilization

<400> 8  
ggatcattga caatatctta actatctttt ataatatatt gaccaggta actaactaag 60  
cagcaaaagg aggaacgact atggctgata acaatttcaa caaaagaacaa oaaaatgttt 120  
totgttaat cttggatatg ccttaactttaa acggaaagaao aogoaaatggt ttcatccaaa 180  
gottaasaga tgaoooaaago oaaagtgtt aactattgtc agaagctaaa aagttaaatg 240  
aatctcaacg accgaaaggt ggccgtggct ggctgtatga cgatgacgat gacteageat 300  
to 302

<210> 9  
<211> 476  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:DNA coding  
protein for antibody immobilization

<400> 9  
ggatcattga caatatctta actatctttt ataatatatt gaccaggta aataaataag 60  
cagcaaaagg aggaacgact atggctgata acaatttcaa caaaagaacaa caaatgttt 120  
tctatgaaat cttggatatg ccttaactttaa acggaaagaaca acgcaatggt ttoatccaaa 180  
gottaasaga tgacccaaagc caaaagtgtt aactattgtc agaagotaaa aagttaaatg 240  
aatotoaago aogaaaggt gataaaoatt toaaaaaga aaaaaaaat gttttatg 300  
aaatcttgaat tatgcctaaac ttaaacgaaag aacaacgcaa tggtttcattc caaagctttaa 360  
aaggtgaccc aagccaaagg gctaacccat tgcagaagc taaaaaggta aatgaatc 420  
aagoaoogaa aggtggcggt ggctggcggt atgacgatga ogatgactaa gaattc 476

<210> 10  
<211> 74  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Additional DNA  
sequence for gene expression

<400> 10  
ttgadaatat ottaaotata ttttataata tattgaccag gtttaaotata taaggcagca 60  
aaggaggaaac gact 74